

NAS NORTH ISLAND - NAVY REGION SOUTHWEST NAVY ENVIRONMENTAL LEADERSHIP PROGRAM

POLLUTION PREVENTION

ZERO EMISSION VEHICLES (ZEV)

LEAD ACTIVITY

Naval Air Station (NAS) North Island

STATUS

Active

MISSION

Compliance with Executive Order 12844, "Federal Use of Alternative Fueled Vehicles"

DESCRIPTION

NAS North Island has begun integrating zero emission vehicles (ZEVs, more commonly known as "electric cars") into the NAS North Island fleet. The current ZEV fleet at NASNI consists of three electric vans and three electric carts. These vehicles produce no air emissions, although they do require overnight battery recharges. The overnight battery charges necessary to "fuel" the vehicles cost 60 percent less per mile than gasoline.



Electric Van

Two vans at NAS North Island were acquired from San Diego Gas & Electric (SDG&E), with assistance from the Low Emissions Vehicle (LEV) Group of Naval Facilities Engineering Service Center (NFESC) in Port Hueneme, California. In exchange for the vehicles, NAS North Island monitors the power consumed by routine battery charging and provides monthly power and mileage data to the NFESC LEV Group. A third electric van is being added.

The NFESC LEV Group has initiated a General Services Administration (GSA) procurement for a fleet of 1996 GM S-10 electric pickup trucks. NAS North Island is now preparing to install infrastructure for ten of the electric S-10 pickups. These pickups use the same inductive-type charging stations as GM's "EV-1" electric car. In May 1996, three electric carts were acquired by NAS North Island's Staff Civil Engineer Department. The carts, called Trans2, look like modified golf carts and can accommodate two people. NAS North Island is also



Electric Cart

planning for electric tow tractors for squadron use. Use of ZEVs reduces Navy air emissions and contributes to compliance goals of both the Navy and greater San Diego County.

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